Application No. 10/661,967
RCE and 'Submission' dated June 15, 2008
Reply to Final Office Action mailed April 15, 2008

<u>AMENDMENTS TO THE CLAIMS</u>

The listing of claims will replace all prior versions and listings of claims in the application:

<u>Listing of Claims:</u>

1. **(Currently Amended)** A method for analyzing a network, comprising:

capturing a data trace representative of a network operation;

determining the network topology from the data trace;

dividing a sample duration window of the trace into a first predetermined number of intervals;

calculating an initial state for each device in the network topology for at least one of the first predetermined number of intervals based upon events that occur outside the sample duration window; [[and]]

displaying <u>average values of </u>network analysis information based upon the initial states and the network topology to the user<u>; and</u>

<u>adjusting the sample duration window to display individual values of the network analysis information</u>.

2. **(Previously Presented)** The method of claim 1, further comprising allowing the user to adjust the sample duration window.

3. **(Currently Amended)** The method of claim 2, <u>wherein adjusting the sample duration window comprises:</u>~~further comprising:~~

dividing the duration of the sample duration window into a second predetermined number of intervals;

determining a calculated initial state that immediately precedes a first interval in the second predetermined number of intervals;

calculating a valid starting state for each device on the network for the first interval in the second predetermined number of intervals based upon the determined preceding initial state; and

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calculating an initial state for each device on the network for at least one of the second predetermined number of intervals based upon the valid starting states and the data trace.

4.　**(Currently Amended)**　The method of claim 1,[[2,]] wherein adjusting the sample duration window comprises adjusting the granularity of a displayed sample analysis.

5.　**(Original)**　The method of claim 1, further comprising storing a snapshot of the network analysis information.

6.　**(Previously Presented)**　The method of claim 3, further comprising storing a snapshot of the calculated initial states.

7.　**(Original)**　The method of claim 3, further comprising generating errors and metrics representative of the sample duration window.

8.　**(Previously Presented)**　The method of claim 3, further comprising allowing a user to select the sample duration window and the second predetermined number of intervals.

9.　**(Previously Presented)**　The method of claim 8, further comprising allowing the user to select a plurality of parameters to be displayed as part of the network analysis information.

10-21.　**(Canceled)**

22.　**(New)** The method of claim 1, wherein the network analysis information includes tenancy metrics describing a rate at which a device in the network is capable of bursting data.

23.　**(New)** A method for analyzing a network, comprising:
capturing a data trace representative of a network operation;
determining the network topology from the data trace;

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dividing a sample duration window of the trace into a first predetermined number of intervals;

calculating an initial state for each device in the network topology for at least one of the first predetermined number of intervals based upon events that occur outside the sample duration window;

displaying exchange completion time (ECT) metrics based upon the initial states and the network topology to the user; and

adjusting the sample duration window to zoom in to the displayed ECT metrics at a point immediately prior to a spike in the ECT metrics.